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Fig. 1

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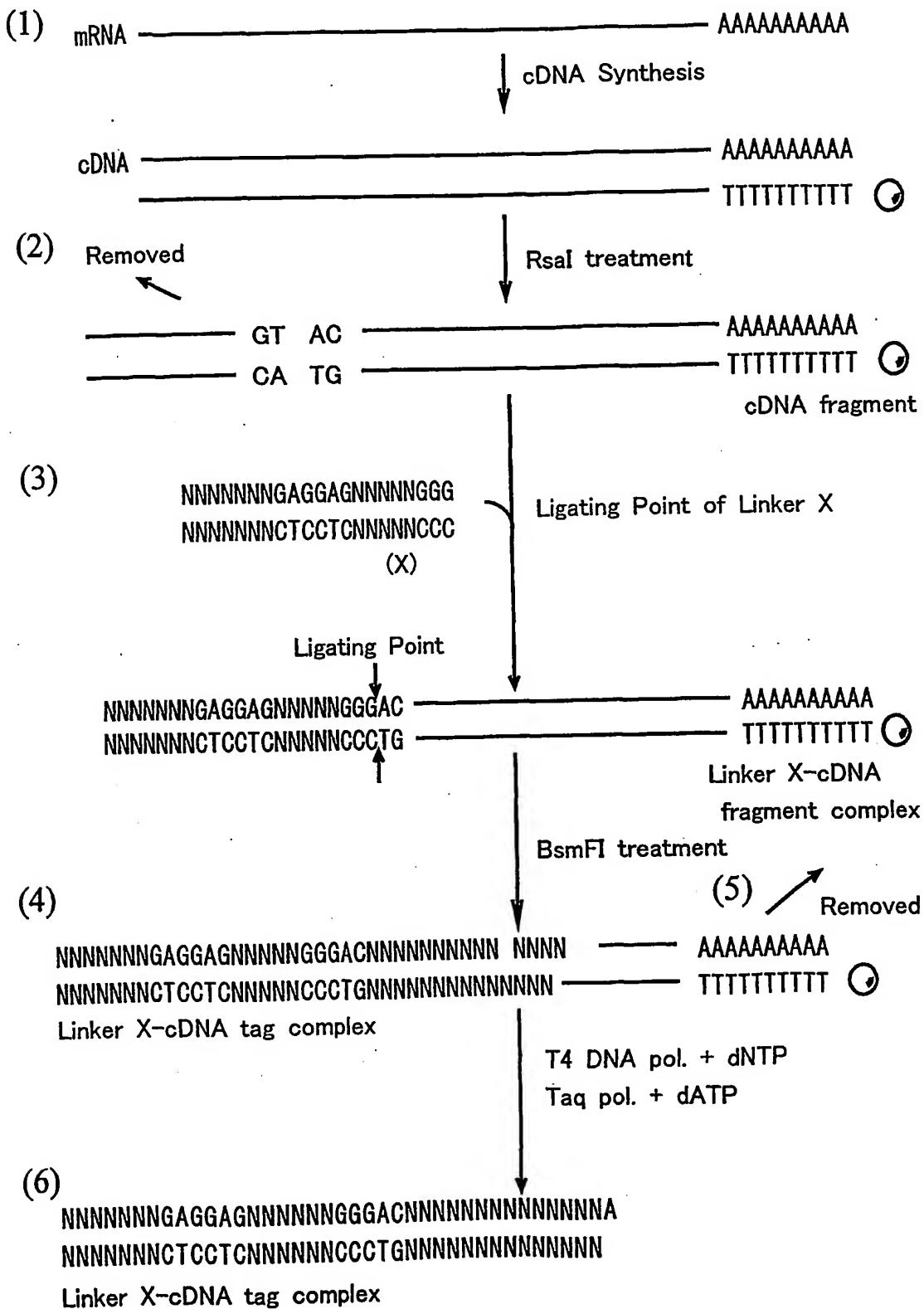


Fig.2

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(7)

NNNNNNNGAGGAGNNNNNGGGACNNNNNNNNNNNNNN
NNNNNNNCTCCTCCTCCTGNNNNNNNNNNNNNN
Linker X-cDNA tag complex

Ligation of Linker Y

CNNNNNNNNTCCGCCNNNNNN
TGNNNNNNNNAGGCGGNNNNNN
(Y)

Ligating point

NNNNNNNGAGGAGNNNNNGGGACNNNNNNNNNNNNNNACNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTCCTCCTGNNNNNNNNNNNNNNNTGNNNNNNNNAGGCGGNNNNNN
Linker X-cDNA tag
-Linker Y complex

Amplification

(8)

Primer X

NNNNNNNGAGGAGNNNNNGGG →

NNNNNNNGAGGAGNNNNNGGGACNNNNNNNNNNNNNNACNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTCCTCCTGNNNNNNNNNNNNNNNTGNNNNNNNNAGGCGGNNNNNN

← TGNNNNNNNNTCCGCCNNNNNN
Primer Y

BseRI treatment

EcII treatment

(9)

NNNNNNNGAGGAGNNNNNGGGAC | NNNNNNNNNNNNNAC | NNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTCCTCCTGNNNNNNNN | TGNNNNNNNNNNNN | TGNNNNNNNNAGGCGGNNNNNN

Cleaved

Cleaved

(10)

NNNNNNNNNNNNNNAC
TGNNNNNNNNNNNNNN

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Fig.3

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(1)

mRNA → cDNA Synthesis → cDNA

mRNA: AAAAAAAA

cDNA: AAAAAAAA

(2)

Removed

Csp6I treatment

AAAAAAA
TTTTTTT 0

(3)

(4)

(6)

NNNNNNNGAGGAGNGTCAGTACNNNNNNNNNNNN
NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNN
Linker X-cDNA tag complex

Fig.4

(7)

NNNNNNNGAGGAGNGTGCAGTAGNNNNNNNNNN
 NNNNNNNCTCCTNCACGTATGNNNNNNNNNN
 Linker X-cDNA tag complex

Ligation of Linker Y

ACNNNNNNNCTCCTCNNNNNN
 NNTGNNNNNNNGAGGAGNNNNNN
 (Y)

Ligating point

NNNNNNNGAGGAGNGTGCAGTACNNNNNNNNNNACNNNNNNNCTCCTCNNNNNN
 NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNTGNNNNNNNGAGGAGNNNNNN

Ligating point Linker X-cDNA tag
 Linker X-cDNA tag
 -Linker Y complex

Amplification

(8)

Primer X
 NNNNNNNGAGGAGNGTGCAGTAC →

NNNNNNNGAGGAGNGTGCAGTACNNNNNNNNNNACNNNNNNNCTCCTCNNNNNN
 NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNTGNNNNNNNGAGGAGNNNNNN

← TGNNNNNNNGAGGAGNNNNNN

Primer Y

BseRI treatment

BseRI treatment

(9)

NNNNNNNGAGGAGNGTGCAGTAC | NNNNNNNNNNNNAC | NNNNNNNNCTCCTCNNNNNN
 NNNNNNNCTCCTNCACGTCA | TGNNNNNNNNNNNN | TGNNNNNNNGAGGAGNNNNNN

Cleaved

Cleaved

(10)

NNNNNNNNNNNAC
 TGNNNNNNNNNNNN

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Fig.5

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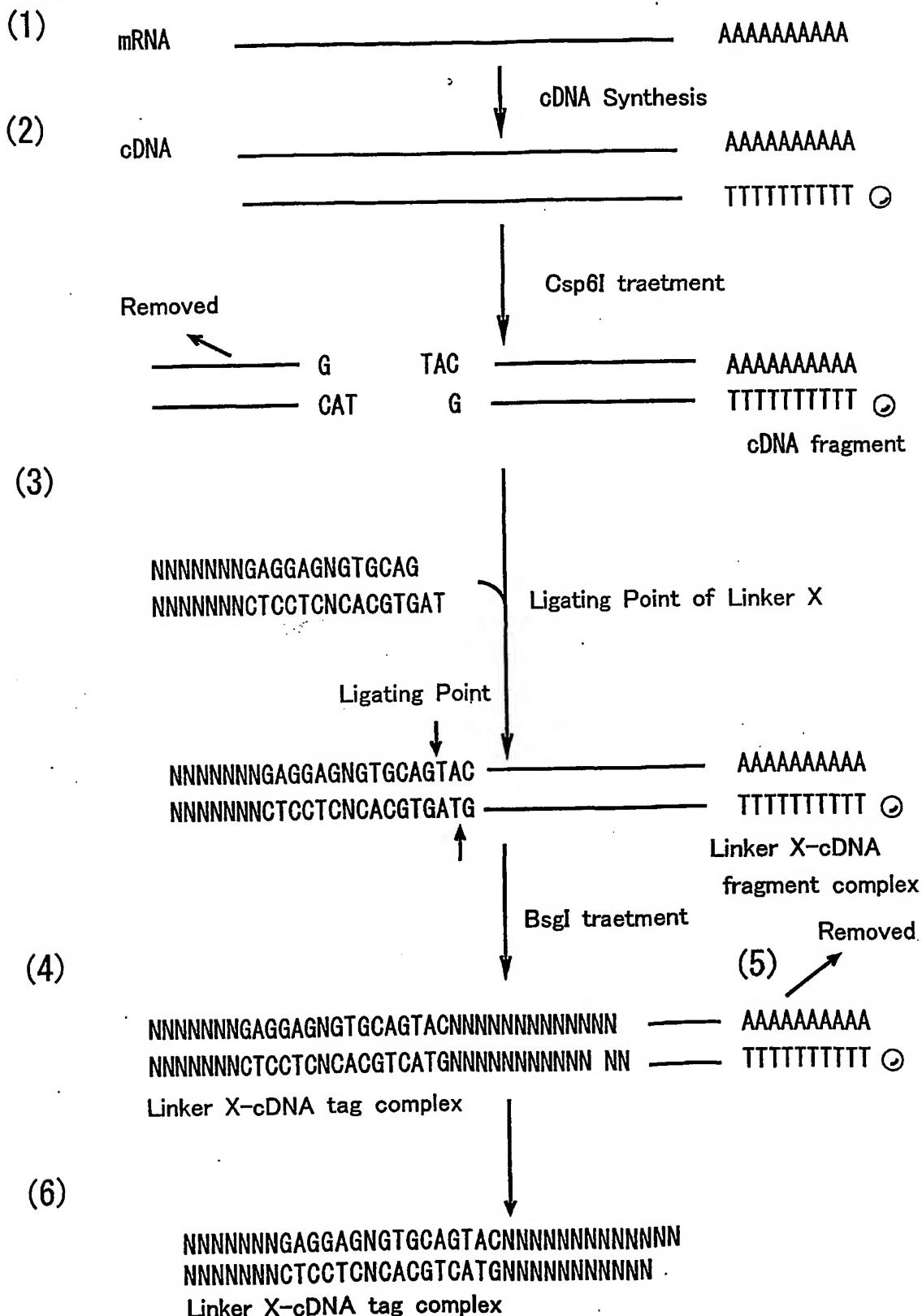


Fig.6

(7)

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NNNNNNNGAGGAGNGTGCAGTACNNNNNNNNNNNN
NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNN
Linker X-cDNA tag complex

Ligation of Linker Y

ACNNNNNNNNNTCCGCCNNNNNN
NNTGNNNNNNNNAGGCGGNNNNNN
(Y)

Ligating point

NNNNNNNGAGGAGNGTGCAGTACNNNNNNNNNNNNACNNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNTGNNNNNNNNNAGGCGGNNNNNN

Ligating point
Linker X-cDNA tag
-Linker Y complex

Amplification

(8)

Primer X

NNNNNNNGAGGAGNGTGCAGTAC
NNNNNNNGAGGAGNGTGCAGTACNNNNNNNNNNNNACNNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTNCACGTATGNNNNNNNNNNNTGNNNNNNNNNAGGCGGNNNNNN
TGNNNNNNNNAGGCGGNNNNNN

Primer Y

BseRI treatment

EcII treatment

(9)

NNNNNNNGAGGAGNGTGCAGTAC | NNNNNNNNNNNNAC | NNNNNNNNNNTCCGCCNNNNNN
NNNNNNNCTCCTNCACGTCA | TGNNNNNNNNNNN | TGNNNNNNNNNAGGCGGNNNNNN
Cleaved | Cleaved

(10)

NNNNNNNNNNNNAC
TGNNNNNNNNNNNNN